ICSLan Device Control Boxes ..... 388 – 397
Power and Sync Sensors ..... 398 – 399
Power Distribution..... 400 – 403
Uninterruptible Power Supplies..... 404 – 406
Power Controllers..... 407 – 409
Bus Strips, Terminal Adapters and Capture Devices ..... 410 – 411
Mounting Brackets 412
Power Supplies and PoE ..... 413 – 417
Cables ..... 418 – 420
Novara Remote Control..... 421

CONTROL SYSTEM ACCESSORIES

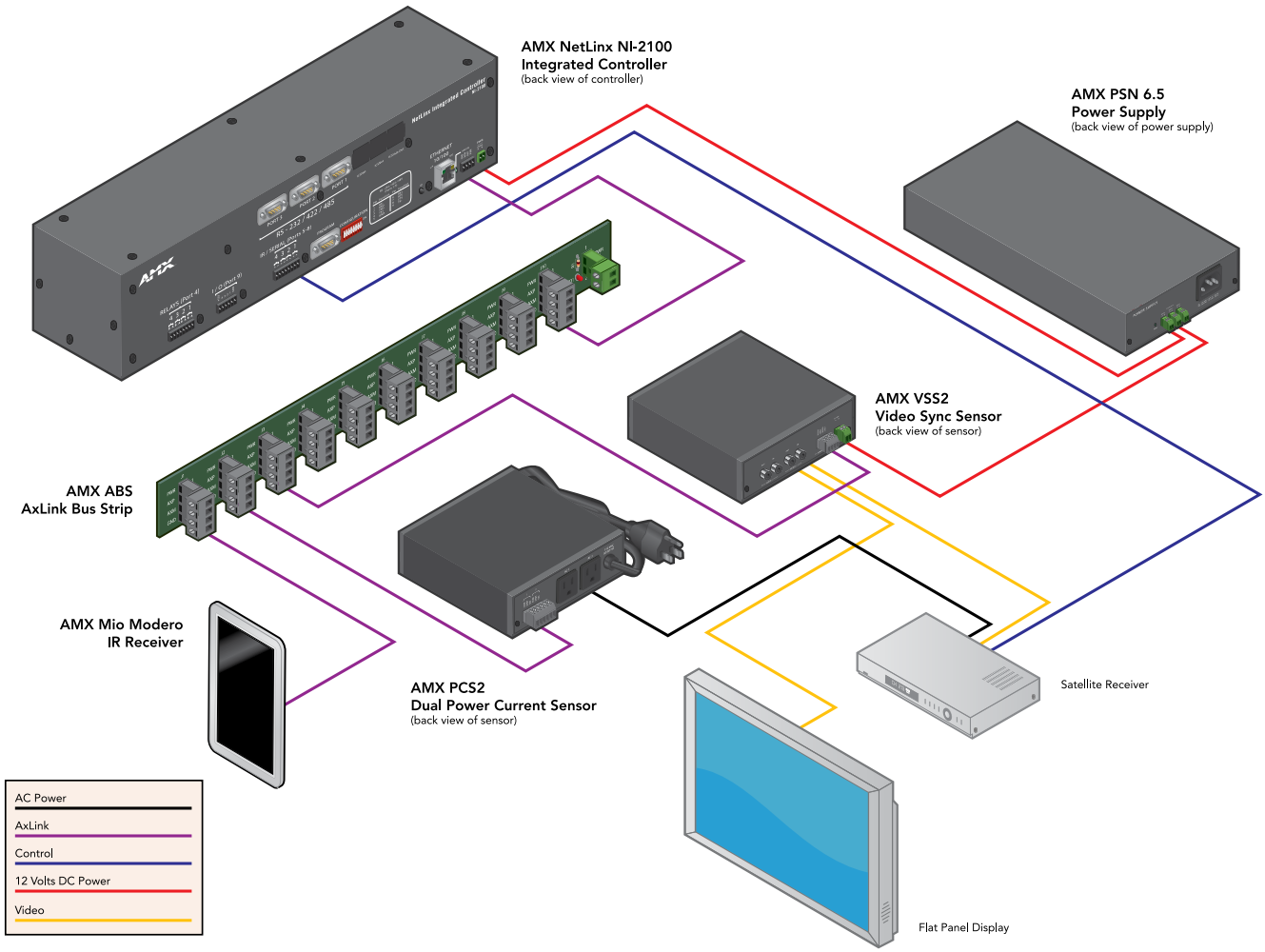
THE PERFECT ACCESSORIES

Reliable, Professional Grade Components to Ensure Effective, Efficient Installations

Having the right accessories ensures smooth and efficient installations. And with AMX accessories, you can count on high quality products and out-of-the-box compatibility with other AMX products. Power supplies are a particularly important component of any installation – providing adequate voltage – especially on long cable runs. Other accessories include input sensors, uninterruptable power supplies, contact closures, terminal adapters, bus strips, mounting brackets, and cabling.

SYSTEM DIAGRAM

Control System Accessories are the glue that bind an installation together. In this application, the Dual Power and Video Sync sensors allow the NetLinx Controller to determine the state of the Satellite Receiver even though there is only 1-way control (IR). The ABS AxLink Bus Strip allows the NetLinx Master to connect to more than 250 AxLink devices (requires multiple bus strips).

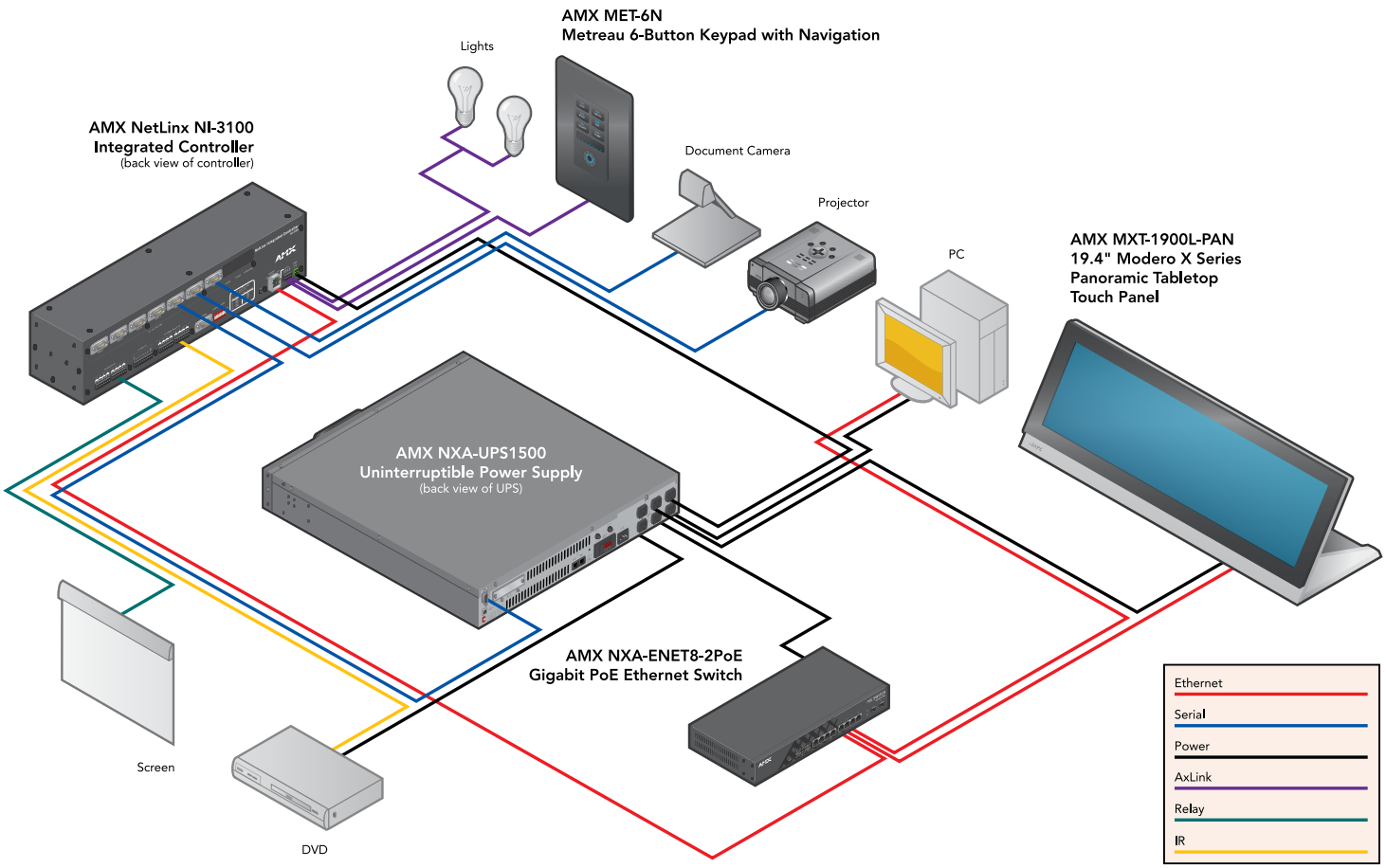


© January 2013 AMX. All rights reserved. AMX does not assume responsibility for any errors or omissions.

The Anterus Radio Frequency Identification (RFID) product line provides real time tracking of assets/devices and people. Anterus can be a stand-alone solution or integrated into a control system to track assets or people. Asset/device tracking reduces theft with customized alerts and collects location and usage data to effectively manage and budget future needs. Personnel tags can trigger environments like lighting or music based on individual preferences or deliver customized messages in retail or entertainment environments.

SYSTEM DIAGRAM (CONT.)

Another example of some of the unique accessories offered by AMX is Uninterruptible Power Supplies. They protect AMX control systems from lightning, power surges and power loss helping to avoid system down time and maximizing your technology investment.



© January 2013 AMX. All rights reserved. AMX does not assume responsibility for any errors or omissions.

EXB-IRS4

ICSLan IR/S Interface, 4 IR/S and 4 Inputs

(FG2100-23)

REVIT AUTODESK BIM

OVERVIEW

ICSLan Device Control Boxes allow users to manage devices remotely from a Controller over an Ethernet network. This provides a beautifully simple method for a centralized control environment allowing users to share a controller among multiple smaller rooms versus controllers in every room. Ethernet has become the industry standard for connecting devices and the ICSLan Device Control Boxes make it easy to introduce control to equipment such as projectors located extended distances from a Controller. Additionally, the number of ports on an AMX Controller can be expanded when all ports are fully populated. Because they employ Native NetLinx technology, it is extremely simple to add an EXB to an AMX installation.

COMMON APPLICATION

Conference rooms, classroom or auditoriums where a single controller is used to manage multiple devices such as projectors spread throughout a facility or to add additional ports to an AMX Central Controller.

FEATURES

- **Enable Ports over Ethernet** – Provides a future proof solution to add ports anywhere
- **Easy to Program** – Programming is identical to any other device ports on the Controller
- **Power over Ethernet** – Eliminate the need for a power source at the install location
- **Small Form Factor** – Compact design makes it easy to hide for a clean installation
- **NetLinx Studio Tools** – Configuration tools make ICSLan Device Control Boxes easy to deploy

DEALER BENEFITS

- **Standard, Ethernet-Based Interface** – Familiar installation methodology using standard switches rather than proprietary distribution hardware
- **Easy to Program** – Programming is identical to any other device port on the Controller
- **Easy to Install** – Compact size, Power over Ethernet and compatible with any AMX Central Controller

CUSTOMER BENEFITS

- **Control Any Device** – Provides the ability to control devices that may be far from a controller
- **Cost Effective Solution for Smaller Rooms** – Leverage the power of a single central controller across multiple rooms
- **Out of Sight** – Compact design makes it easy to hide for a clean, elegant look

TRAINING AVAILABLE

For important installation, configuration and programming techniques, AMX University training is available. Just visit www.amx.com/training

REVIT AUTODESK BIM

REVIT BIM

This product is part of the Autodesk Revit database and can be specified in designs for Building Information Modeling (BIM). Download the associated Revit .rfa file from the Autodesk SEEK Web site. It is also searchable under 'AMX' in any Autodesk application.

© January 2013 AMX. All rights reserved. AMX does not assume responsibility for any errors or omissions.

SPECIFICATIONS

DIMENSIONS (HWD)

- 1” x 4 3/8” x 5 1/8” (2.5 cm cm x 11.1 cm x 13.00 cm)
- RU: 1

WEIGHT

1 lb (454 g)

POWER

- PoE Powered - No local Power Supply needed
- Typical power draw: 1.9 Watts
- Max power draw: 2.4 Watts

OPERATION

- Four IR / Serial control ports, 20KHz - 1.14MHz
- Four input ports for sensing contact closure

STATUS LEDS

- 1 Green LED shows connection and power status
- 1 Green LED shows Ethernet Link status and activity
- 4 Red LEDs (1 per IR port) show IR transmit (TX) data activity
- 4 Yellow LEDs (1 per input port) show input activity

CONNECTIONS / WIRING

- 1 RJ-45 ICS-LAN Ethernet Connector
- 1 8-Pin 3.5mm captive-screw terminal for I/R ports
- 1 6-Pin 3.5mm captive-screw terminal for inputs

CERTIFICATIONS

- FCC Part 15 Class B
- C-Tick CISPR 22 Class B
- VCCI CISPR 22 Class B
- CE EN 55022 Class B
- CB Scheme IEC 60950-1
- cULus UL 60950-1

RECOMMENDED ACCESSORIES	DESCRIPTION	PART #	PAGE #
CC-NIRC	CC-NIRC	(CC-NIRC)	420
NXA-ENET8-2POE	Gigabit Ethernet Switch	(FG2178-63)	444
PS-POE-AF	PoE Injector	(FG423-80)	416
AVB-VSTYLE-SURFACE-MNT	V Style Module Surface Mount	(FG1010-722)	542
AVB-VSTYLE-RMK	V Style Module Tray / Tray with fill plates	(FG1010-720/721)	542
AVB-VSTYLE-POLE-MNT	V Style Module Pole Mount	(FG1010-723)	543

© January 2013 AMX. All rights reserved. AMX does not assume responsibility for any errors or omissions.

EXB-COM2

ICSLan Serial Interface, 2 Ports

(FG2100-22)

REVIT AUTODESK BIM

OVERVIEW

ICSLan Device Control Boxes allow users to manage devices remotely from a Controller over an Ethernet network. This provides a beautifully simple method for a centralized control environment allowing users to share a controller among multiple smaller rooms versus controllers in every room. Ethernet has become the industry standard for connecting devices and the ICSLan Device Control Boxes make it easy to introduce control to equipment such as projectors located extended distances from a Controller. Additionally, the number of ports on an AMX Controller can be expanded when all ports are fully populated. Because they employ Native NetLinx technology, it is extremely simple to add an EXB to an AMX installation.

COMMON APPLICATION

Conference rooms, classroom or auditoriums where a single controller is used to manage multiple devices such as projectors spread throughout a facility or to add additional ports to an AMX Central Controller.

FEATURES

- **Enable Ports over Ethernet** – Provides a future proof solution to add ports anywhere
- **Easy to Program** – Programming is identical to any other device ports on the Controller
- **Power over Ethernet** – Eliminate the need for a power source at the install location
- **Small Form Factor** – Compact design makes it easy to hide for a clean installation
- **NetLinx Studio Tools** – Configuration tools make ICSLan Device Control Boxes easy to deploy

DEALER BENEFITS

- **Standard, Ethernet-Based Interface** – Familiar installation methodology using standard switches rather than proprietary distribution hardware
- **Easy to Program** – Programming is identical to any other device port on the Controller
- **Easy to Install** – Compact size, Power over Ethernet and compatible with any AMX Central Controller

CUSTOMER BENEFITS

- **Control Any Device** – Provides the ability to control devices that may be far from a controller
- **Cost Effective Solution for Smaller Rooms** – Leverage the power of a single central controller across multiple rooms
- **Out of Sight** – Compact design makes it easy to hide for a clean, elegant look

TRAINING AVAILABLE

For important installation, configuration and programming techniques, AMX University training is available. Just visit www.amx.com/training

REVIT AUTODESK BIM

REVIT BIM

This product is part of the Autodesk Revit database and can be specified in designs for Building Information Modeling (BIM). Download the associated Revit .rfa file from the Autodesk SEEK Web site. It is also searchable under 'AMX' in any Autodesk application.

© January 2013 AMX. All rights reserved. AMX does not assume responsibility for any errors or omissions.

SPECIFICATIONS

DIMENSIONS (HWD)

- 1” x 4 3/8” x 5 1/8” (2.5 cm cm x 11.1 cm x 13.00 cm)
- RU: 1

WEIGHT

1 lb (454 g)

POWER

- PoE Powered - No local Power Supply needed
- Power draw: 1.9 Watts

OPERATION

- One RS-232/422/485 control port, supports XON/XOFF, CTS/RTS, 300 - 115.2K Baud
- One RS-232 control port, supports CTS/RTS, 300 - 115.2K Baud

STATUS LEDS

- 1 Green LED shows connection and power status
- 1 Green LED shows Ethernet Link status and activity
- 2 Red LEDs (1 per COM port) show serial transmit (TX) data activity
- 2 Yellow LEDs (1 per COM port) show serial receive (RX) data activity

CONNECTIONS / WIRING

- 1 RJ-45 ICS-LAN Ethernet Connector
- 1 10-Pin 3.5mm captive-screw terminal (RS-232/422/485 port)
- 1 5-Pin 3.5mm captive-screw terminal (RS-232 port)

CERTIFICATIONS

- FCC Part 15 Class B
- C-Tick CISPR 22 Class B
- VCCI CISPR 22 Class B
- CE EN 55022 Class B
- CB Scheme IEC 60950-1
- cULus UL 60950-1

RECOMMENDED ACCESSORIES	DESCRIPTION	PART #	PAGE #
NXA-ENET8-2POE	Gigabit Ethernet Switch	(FG2178-63)	444
PS-POE-AF	PoE Injector	(FG423-80)	416
AVB-VSTYLE-SURFACE-MNT	V Style Module Surface Mount	(FG1010-722)	542
AVB-VSTYLE-RMK	V Style Module Tray / Tray with fill plates	(FG1010-720/721)	542
AVB-VSTYLE-POLE-MNT	V Style Module Pole Mount	(FG1010-723)	543

© January 2013 AMX. All rights reserved. AMX does not assume responsibility for any errors or omissions.

EXB-REL8

ICSLan Relay Interface, 8 Channels

(FG2100-20)

REVIT AUTODESK BIM

OVERVIEW

ICSLan Device Control Boxes allow users to manage devices remotely from a Controller over an Ethernet network. This provides a beautifully simple method for a centralized control environment allowing users to share a controller among multiple smaller rooms versus controllers in every room. Ethernet has become the industry standard for connecting devices and the ICSLan Device Control Boxes make it easy to introduce control to equipment such as projectors located extended distances from a Controller. Additionally, the number of ports on an AMX Controller can be expanded when all ports are fully populated. Because they employ Native NetLinx technology, it is extremely simple to add an EXB to an AMX installation.

COMMON APPLICATION

Conference rooms, classroom or auditoriums where a single controller is used to manage multiple devices such as projectors spread throughout a facility or to add additional ports to an AMX Central Controller.

FEATURES

- **Enable Ports over Ethernet** – Provides a future proof solution to add ports anywhere
- **Easy to Program** – Programming is identical to any other device ports on the Controller
- **Power over Ethernet** – Eliminate the need for a power source at the install location
- **Small Form Factor** – Compact design makes it easy to hide for a clean installation
- **NetLinx Studio Tools** – Configuration tools make ICSLan Device Control Boxes easy to deploy

DEALER BENEFITS

- **Standard, Ethernet-Based Interface** – Familiar installation methodology using standard switches rather than proprietary distribution hardware
- **Easy to Program** – Programming is identical to any other device port on the Controller
- **Easy to Install** – Compact size, Power over Ethernet and compatible with any AMX Central Controller

CUSTOMER BENEFITS

- **Control Any Device** – Provides the ability to control devices that may be far from a controller
- **Cost Effective Solution for Smaller Rooms** – Leverage the power of a single central controller across multiple rooms
- **Out of Sight** – Compact design makes it easy to hide for a clean, elegant look

TRAINING AVAILABLE

For important installation, configuration and programming techniques, AMX University training is available. Just visit www.amx.com/training

REVIT AUTODESK BIM

REVIT BIM

This product is part of the Autodesk Revit database and can be specified in designs for Building Information Modeling (BIM). Download the associated Revit .rfa file from the Autodesk SEEK Web site. It is also searchable under 'AMX' in any Autodesk application.

© January 2013 AMX. All rights reserved. AMX does not assume responsibility for any errors or omissions.

SPECIFICATIONS

DIMENSIONS (HWD)

- 1” x 4 3/8” x 5 1/8” (2.5 cm cm x 11.1 cm x 13.00 cm)
- RU: 1

WEIGHT

1.02 lb (463 g)

POWER

- PoE Powered - No local Power Supply needed
- Typical power draw: 1.9 Watts
- Max power draw: 3.4 Watts

OPERATION

Eight relays, 1A @ 24VAC / 28VDC

STATUS LEDS

- 1 Green LED shows connection and power status
- 1 Green LED shows Ethernet Link status and activity
- 8 Red LEDs (1 per relay) show relay activity

CONNECTIONS / WIRING

- 1 RJ-45 ICS-LAN Ethernet Connector
- 2 8-Pin 3.5mm captive-screw terminals

CERTIFICATIONS

- FCC Part 15 Class B
- C-Tick CISPR 22 Class B
- VCCI CISPR 22 Class B
- CE EN 55022 Class B
- CB Scheme IEC 60950-1
- cULus UL 60950-1

RECOMMENDED ACCESSORIES	DESCRIPTION	PART #	PAGE #
NXA-ENET8-2POE	Gigabit Ethernet Switch	(FG2178-63)	444
PS-POE-AF	PoE Injector	(FG423-80)	416
AVB-VSTYLE-SURFACE-MNT	V Style Module Surface Mount	(FG1010-722)	542
AVB-VSTYLE-RMK	V Style Module Tray / Tray with fill plates	(FG1010-720/721)	542
AVB-VSTYLE-POLE-MNT	V Style Module Pole Mount	(FG1010-723)	543

© January 2013 AMX. All rights reserved. AMX does not assume responsibility for any errors or omissions.

EXB-I/O8

ICSLan Input/Output Interface, 8 Channels

(FG2100-21)

REVIT AUTODESK BIM

OVERVIEW

ICSLan Device Control Boxes allow users to manage devices remotely from a Controller over an Ethernet network. This provides a beautifully simple method for a centralized control environment allowing users to share a controller among multiple smaller rooms versus controllers in every room. Ethernet has become the industry standard for connecting devices and the ICSLan Device Control Boxes make it easy to introduce control to equipment such as projectors located extended distances from a Controller. Additionally, the number of ports on an AMX Controller can be expanded when all ports are fully populated. Because they employ Native NetLinx technology, it is extremely simple to add an EXB to an AMX installation.

COMMON APPLICATION

Conference rooms, classroom or auditoriums where a single controller is used to manage multiple devices such as projectors spread throughout a facility or to add additional ports to an AMX Central Controller.

FEATURES

- **Enable Ports over Ethernet** – Provides a future proof solution to add ports anywhere
- **Easy to Program** – Programming is identical to any other device ports on the Controller
- **Power over Ethernet** – Eliminate the need for a power source at the install location
- **Small Form Factor** – Compact design makes it easy to hide for a clean installation
- **NetLinx Studio Tools** – Configuration tools make ICSLan Device Control Boxes easy to deploy

DEALER BENEFITS

- **Standard, Ethernet-Based Interface** – Familiar installation methodology using standard switches rather than proprietary distribution hardware
- **Easy to Program** – Programming is identical to any other device port on the Controller
- **Easy to Install** – Compact size, Power over Ethernet and compatible with any AMX Central Controller

CUSTOMER BENEFITS

- **Control Any Device** – Provides the ability to control devices that may be far from a controller
- **Cost Effective Solution for Smaller Rooms** – Leverage the power of a single central controller across multiple rooms
- **Out of Sight** – Compact design makes it easy to hide for a clean, elegant look

TRAINING AVAILABLE
For important installation, configuration and programming techniques, AMX University training is available. Just visit www.amx.com/training

REVIT AUTODESK BIM

REVIT BIM
This product is part of the Autodesk Revit database and can be specified in designs for Building Information Modeling (BIM). Download the associated Revit .rfa file from the Autodesk SEEK Web site. It is also searchable under 'AMX' in any Autodesk application.

© January 2013 AMX. All rights reserved. AMX does not assume responsibility for any errors or omissions.

SPECIFICATIONS

DIMENSIONS (HWD)

- 1” x 4 3/8” x 5 1/8” (2.5 cm cm x 11.1 cm x 13.00 cm)
- RU: 1

WEIGHT

1 lb (454 g)

POWER

- PoE Powered - No local Power Supply needed
- Power draw: 1.9 Watts

OPERATION

Eight Input/Output channels

STATUS LEDS

- 1 Green LED shows connection and power status
- 1 Green LED shows Ethernet Link status and activity
- 8 Yellow LEDs (1 per I/O) show Input/Output activity

CONNECTIONS / WIRING

- 1 RJ-45 ICS-LAN Ethernet Connector
- 1 10-Pin 3.5mm captive-screw terminal (RS-232/422/485 port)

CERTIFICATIONS

- FCC Part 15 Class B
- C-Tick CISPR 22 Class B
- VCCI CISPR 22 Class B
- CE EN 55022 Class B
- CB Scheme IEC 60950-1
- cULus UL 60950-1

RECOMMENDED ACCESSORIES	DESCRIPTION	PART #	PAGE #
NXA-ENET8-2POE	Gigabit Ethernet Switch	(FG2178-63)	444
PS-POE-AF	PoE Injector	(FG423-80)	416
AVB-VSTYLE-SURFACE-MNT	V Style Module Surface Mount	(FG1010-722)	542
AVB-VSTYLE-RMK	V Style Module Tray / Tray with fill plates	(FG1010-720/721)	542
AVB-VSTYLE-POLE-MNT	V Style Module Pole Mount	(FG1010-723)	543

© January 2013 AMX. All rights reserved. AMX does not assume responsibility for any errors or omissions.

EXB-MP1

ICSLan Multi-Port, 1 COM, 1 IR/S, 2 I/O, 1 IR RX

(FG2100-26)

REVIT AUTODESK BIM

OVERVIEW

ICSLan Device Control Boxes allow users to manage devices remotely from a Controller over an Ethernet network. This provides a beautifully simple method for a centralized control environment allowing users to share a controller among multiple smaller rooms versus controllers in every room. Ethernet has become the industry standard for connecting devices and the ICSLan Device Control Boxes make it easy to introduce control to equipment such as projectors located extended distances from a Controller. Additionally, the number of ports on an AMX Controller can be expanded when all ports are fully populated. Because they employ Native NetLinx technology, it is extremely simple to add an EXB to an AMX installation.

COMMON APPLICATION

Conference rooms, classroom or auditoriums where a single controller is used to manage multiple devices such as projectors spread throughout a facility or to add additional ports to an AMX Central Controller.

FEATURES

- **Enable Ports over Ethernet** – Provides a future proof solution to add ports anywhere
- **Easy to Program** – Programming is identical to any other device ports on the Controller
- **Power over Ethernet** – Eliminate the need for a power source at the install location
- **Small Form Factor** – Compact design makes it easy to hide for a clean installation
- **NetLinx Studio Tools** – Configuration tools make ICSLan Device Control Boxes easy to deploy

DEALER BENEFITS

- **Standard, Ethernet-Based Interface** – Familiar installation methodology using standard switches rather than proprietary distribution hardware
- **Easy to Program** – Programming is identical to any other device port on the Controller
- **Easy to Install** – Compact size, Power over Ethernet and compatible with any AMX Central Controller

CUSTOMER BENEFITS

- **Control Any Device** – Provides the ability to control devices that may be far from a controller
- **Cost Effective Solution for Smaller Rooms** – Leverage the power of a single central controller across multiple rooms
- **Out of Sight** – Compact design makes it easy to hide for a clean, elegant look

TRAINING AVAILABLE

For important installation, configuration and programming techniques, AMX University training is available. Just visit www.amx.com/training

REVIT AUTODESK BIM

REVIT BIM

This product is part of the Autodesk Revit database and can be specified in designs for Building Information Modeling (BIM). Download the associated Revit .rfa file from the Autodesk SEEK Web site. It is also searchable under 'AMX' in any Autodesk application.

© January 2013 AMX. All rights reserved. AMX does not assume responsibility for any errors or omissions.

SPECIFICATIONS

DIMENSIONS (HWD)

- 1” x 3” x 4 13/16” (2.5 cm cm x 7.6 cm cm x 12.2 cm)
- RU: 1

POWER

- PoE Powered - No local Power Supply needed
- Power draw: 1.9 Watts

OPERATION

- One RS-232 control port, supports CTS/RTS, 300 - 115.2K Baud
- Two Input/Output channels
- One IR / Serial control port, 20KHz - 1.14MHz
- One IR Receiver port

STATUS LEDS

- 1 Green LED shows connection and power status
- 1 Green LED shows Ethernet Link status and activity
- 1 Red LED shows serial transmit (TX) data activity
- 1 Yellow LED shows serial receive (RX) data activity
- 2 Yellow LEDs (1 per I/O) show Input/Output activity
- 4 Red LEDs (1 per IR port) show IR transmit (TX) data activity
- 4 Yellow LEDs (1 per I/O port) show I/O input activity

CONNECTIONS / WIRING

1 RJ-45 ICS-LAN Ethernet Connector

CERTIFICATIONS

- FCC Part 15 Class B
- C-Tick CISPR 22 Class B
- VCCI CISPR 22 Class B
- CE EN 55022 Class B
- CB Scheme IEC 60950-1
- cULus UL 60950-1

RECOMMENDED ACCESSORIES

DESCRIPTION	PART #	PAGE #
NetLinx IR Emitter Cable	(FG10-000-11)	420
External IR Receiver Module	(FG-IR03)	
Gigabit Ethernet Switch	(FG2178-63)	444
PoE Injector	(FG423-80)	416
V Style Module Surface Mount	(FG1010-722)	542
V Style Module Pole Mount	(FG1010-723)	543

© January 2013 AMX. All rights reserved. AMX does not assume responsibility for any errors or omissions.

PCS2

Dual Power Current Sensor
(for US 110 VAC 3-pole receptacles)

(FG427)

OVERVIEW

The PCS2 Dual Power Current Sensor detects the 110 VAC current drawn by equipment plugged into the onboard AC receptacles, and the LED status indicators assist with monitoring system applications. The PCS2 features adjustable sensing levels for high (full-on), low (standby), and no-power (off) power levels for up to two devices and comes complete with a built-in power supply.

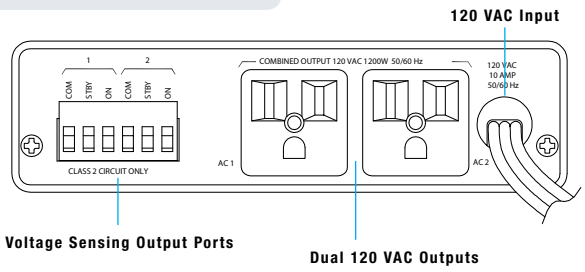
COMMON APPLICATION

The PCS2 is ideal for determining the status of controlled sources such as video projectors, monitors, AV receivers, DVD players and other devices.

FEATURES

- On and standby status LEDs for each source
- Power LED
- Sensing for 20 mA, 10 A power current levels
- Two US-style 3-prong 120 VAC receptacles

A CLOSER LOOK



SPECIFICATIONS

DIMENSIONS (HWD)
- 1 1/2" x 5 1/2" x 5 1/2" (3.8 cm x 1.4 cm x 1.4 cm)
- RU: 1

WEIGHT
1 lb, 12.8 oz (816 g)

POWER REQUIREMENT
- 110 VAC @ 250 mA minimum
- 1200 W (10A) input power, fuse protected
- Attached US-style 3-prong 120 VAC power cord

ENCLOSURE
Metal with black matte finish

CONTROL PORTS
4 relay outputs (on and standby for each source), 1 A @ 28 VDC

ENVIRONMENTAL
Heat Dissipation Typical: 10.2 BTU/hr

CONNECTIONS
- On 1, 2: On sense relay output, 1 A @ 28 VDC
- Stby 1, 2: Standby sense relay output, 1 A @ 28 VDC
- Com 1, 2: Common for sense outputs
- AC 1, 2:
  - Two US style 3-prong 110 VAC receptacles
  - 1,200 W (10A) output power, fuse protected
- AC Power: US style 3-prong 110 VAC power cord

CONNECTORS
- 6-pin captive-screw terminal
- 3-prong, grounded, 120 VAC receptacle

DRY CLOSURE RELAY OUTPUTS
0.5 A @120 VAC or 1 A @ 28 VDC

INDICATORS
- 2 Standby LEDs
- 2 On LEDs
- Power LED

LOAD SENSITIVITY
- 10 A 1200 W maximum (combined fuses)
- 20 mA 2.4 W minimum 120 W maximum

RECOMMENDED ACCESSORIES	DESCRIPTION	PART #	PAGE #
AC-RK	Accessory Rack	(FG515)	410

© January 2013 AMX. All rights reserved. AMX does not assume responsibility for any errors or omissions.

VSS2

Video Sync Sensor

(FG5916-10)

OVERVIEW

The Video Sync Sensor (VSS2) is equipped with two independent signal detection channels. When a signal is present, each detection channel initiates a logic-level output, and dual video jacks for each channel allow loop-through operation. The VSS2 is an ideal power sensor for DVDs and other video sources, or to provide a warning on loss of audio, video or RGB signal.

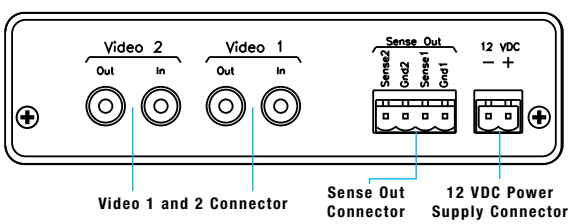
COMMON APPLICATION

Use the VSS2 to monitor the true power status of a VCR, tuner or satellite receiver and track the video output of each source, sending a logic signal to an input port. The output can also be used to control other AMX closure-driven peripherals, such as the PC1 Power Controller.

FEATURES

- Detects presence of signal from 1 kHz to greater than 100 kHz
- 2 independent video sync sensing channels
- 2 RCA jacks for each channel to allow loop-through operation
- 2 solid-state outputs that send a logic low signal when sync is present
- Front-panel LEDs that display on/off status for each channel
- Compatible with all AMX solid-state and closure input ports
- Detection of audio, video, and high-resolution RGB signals

A CLOSER LOOK



SPECIFICATIONS

DIMENSIONS (HWD)
- 1 1/2" x 5" x 5 5/16" (3.8 cm x 12.7 cm x 13.3 cm)
- RU: 1

WEIGHT
10.9 oz (309 g)

POWER REQUIREMENT
12 VDC at 20 mA

ENCLOSURE
Molded black matte plastic

CONTROL PORTS
Two open-collector outputs for channels A and B drive a logic low when a video signal is present

FRONT PANEL
- Power: Green LED indicator
- Sense 1: Red LED lights when sync is present
- Sense 2: Red LED lights when sync is present

RESPONSE
- Video Level: 8 MHz, 800 mV typical
- Sensing:
  - 1 kHz to 3 MHz (200 mV RMS minimum)
  - 3 MHz to 20 MHz (600 mV RMS minimum)
  - 20 MHz to 75 MHz (750 mV RMS minimum)

OUTPUT
Open collector with internal pull up to 5 V and solid-state logic low when signal is present

REAR PANEL
- Video 2: RCA jacks for OUT and IN
- Video 1: RCA jacks for OUT and IN
- Sense Out 1 and 2: 4-pin captive-wire terminal
- 12 VDC: 2-pin power supply jack

INCLUDES
- One 6-pin cable connector
- Two 4-pin cable connectors
- One 2-pin power connector

OPTIONS
12 VDC power supply, 20 mA minimum

RECOMMENDED ACCESSORIES	DESCRIPTION	PART #	PAGE #
AC-RK	Accessory Rack	(FG515)	410

© January 2013 AMX. All rights reserved. AMX does not assume responsibility for any errors or omissions.

NXA-PDU-1508-8

Power Distribution Unit

110/220 VAC Power (FG673-01)

OVERVIEW

The innovative Power Distribution Unit (PDU) now allows you to control the rack as well as control the room. This PDU adds a basic level of control by allowing remote reset of devices via a power cycle, reducing the need to send staff to a customer site. By managing power delivery, the PDU monitors energy consumption of each connected component and restricts power to any or all devices when not in use. With 8 individually monitored and controlled AC outlets, built-in 12 Volt power supply, 2 sets of 4 AxLink Bus Strips, and power monitoring for each outlet, the PDU is flexible and can reduce wasteful standby power usage. Native NetLinx control over AxLink integrates the PDU with AMX Control systems and Resource Management Suite (RMS).

COMMON APPLICATION

Ideal for commercial and residential installations wanting to reduce energy usage costs, minimize their carbon footprint and protect valuable electronics. With AC and AxLink power, current sensing, and available temperature monitoring, this all-in-one easily adds both convenience and a Green element to installations.

FEATURES

- **Individually Controlled Outlets** – Allows a remote reboot for devices in the rack reducing on-site service calls
- **Power Management of Connected Devices** – Reduces standby energy usage (vampire power/phantom load)
- **Built-in Power Current Sensing on Each AC Outlet** – Makes it easy to tell if a device is powered on or off
- **Switched and Monitored AxLink Bus Strips** – Allows power and switching of AxLink or 12V powered devices (in banks of four)
- **Native NetLinx Device** – Simplifies integration

MAKING TECHNOLOGY GREEN
The Power Distribution Unit reduces energy usage by eliminating the electricity used by components when they are in standby mode.

DID YOU KNOW?
The Power Distribution Unit allows a remote reboot for devices in the rack reducing on-site service calls.

WATCH THE VIDEO
See the NXA-PDU-1508-8 in action, live from InfoComm 2010, by watching the video profile online at:
www.amx.com/assets/videos/NXA-PDU-1508-8.mp4

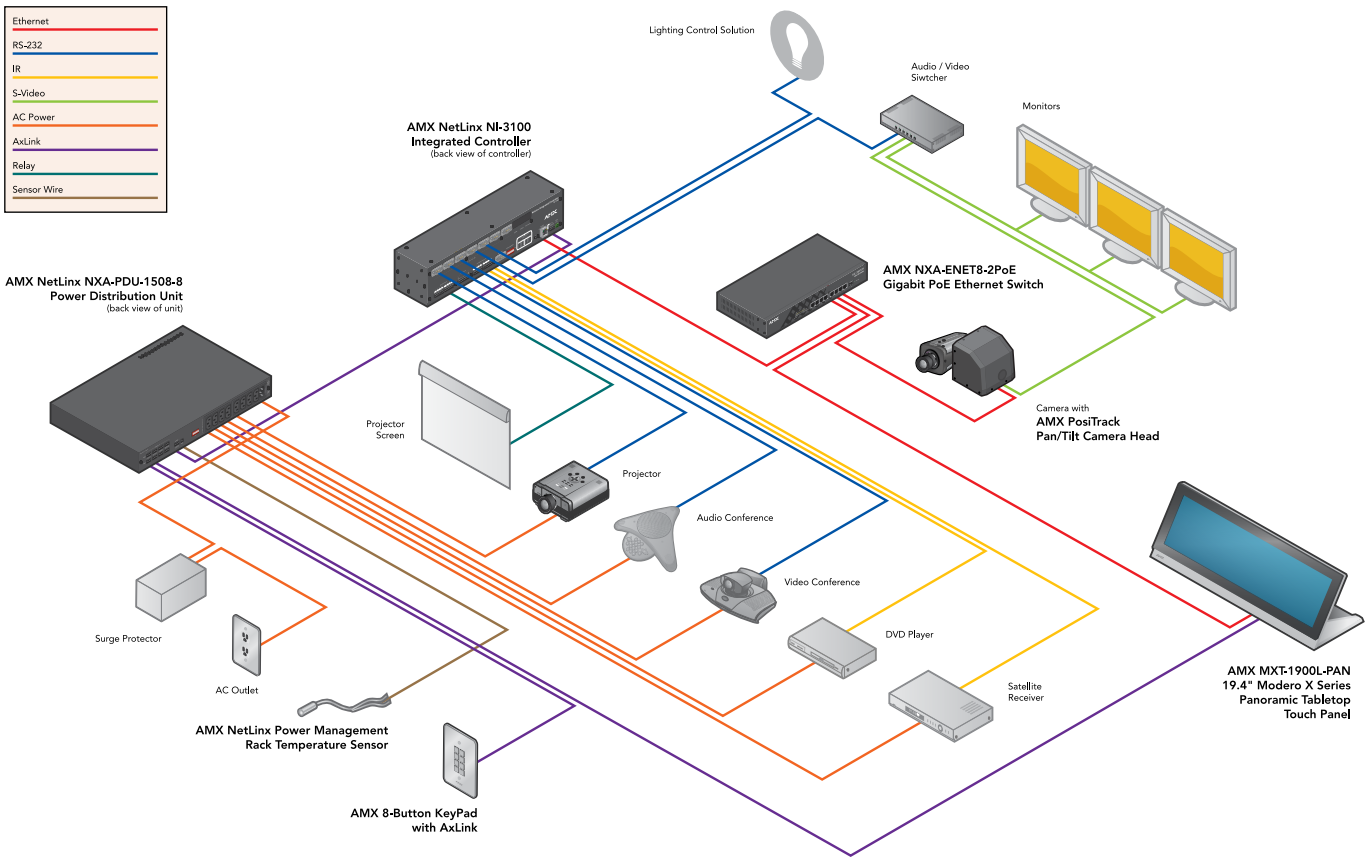
TRAINING AVAILABLE
For important installation, configuration and programming techniques, AMX University training is available. Just visit www.amx.com/training

AWARD WINNER
The NetLinx Power Distribution Unit (NXA-PDU-1508-8) was awarded a 2010 EXC!TE Award from CustomRetailer and 2011 Product of the year from Electronic House.

REVIT BIM
This product is part of the Autodesk Revit database and can be specified in designs for Building Information Modeling (BIM). Download the associated Revit .rfa file from the Autodesk SEEK Web site. It is also searchable under 'AMX' in any Autodesk application.

COUNTRY OF ORIGIN: UNITED STATES
To satisfy the requirements/regulations of existing or future government programs, this two-letter code is being provided to designate the country of origin for this product.

© January 2013 AMX. All rights reserved. AMX does not assume responsibility for any errors or omissions.



© January 2013 AMX. All rights reserved. AMX does not assume responsibility for any errors or omissions.

SPECIFICATIONS

DIMENSIONS (HWD)

- 1 3/16" x 17" x 9 11/16 (3.0 cm x 43.2 cm x 9.7 cm)
- RU: 1

POWER

- Powered via 100-240 VAC, 50-60 Hz mains power on an IEC-320 C-14 connector
- Required voltage = 100 to 240 VAC, 47-63 Hz
- AC Current
  - Input: 12 AMPS @ 110V - 120V
  - Input: 10 AMPS @ 220V - 240V
  - Outputs: 10 AMPS Single Outlet @ 110 VAC, 12 AMPS Max Unit Output @ 110 VAC
  - Outputs: 8 AMPS Single Outlet @ 220 VAC, 10 AMPS Max Unit Output @ 220 VAC

FRONT PANEL COMPONENTS

MASTER RESET PUSHBUTTON

- The Master Reset pushbutton is a momentary breaker reset switch for the AMX Master power connection
- Trippage of the reset switch causes a 0.5 second toggle on the AMX Master AxLink power line

AXLINK STATUS LED:

Green LED lights to indicate AxLink communication activity

- ON - power, no master connection
- OFF - no power
- Blink - powered, communicating with master

OUTLET STATUS LEDS

8 green LEDs illuminate when the associated Power Outlet (#1 - #8) is in use.

AXLINK BUS STATUS LEDS

2 red LEDs light to indicate status (on/off) for AxLink Bus Strips 1-2.
These LEDs illuminate when the associated AxLink Bus Strip ((#1 or (#2) on the PDU is in use.

- AxLink Bus Strip 1 contains AxLink connectors 1 - 4
- AxLink Bus Strip 2 contains AxLink connectors 5 - 8

REAR PANEL COMPONENTS

INTERNATIONAL POWER INLET (1)

- 100-240 VAC 50/60 Hz
- Connector Type: IEC C-14, 15A@120 VAC / 10A@240 VAC
- Intended for use with the included power cord (US Version Only)

INTERNATIONAL POWER OUTLETS (8)

- 100-240 VAC 50/60 Hz
- Connector Type: IEC C-13, 10A
- Maximum load per outlet = 10A@120 VAC, 8A@240 VAC
- Maximum load per unit = 15A@120VAC, 10A@240 VAC
- Provides switching of mains power to each of the eight power outlets.
- Measures current on each AC power outlet, as well as the total current draw of the entire PDU.

AXLINK MASTER CONNECTOR:

- 3.5 mm Phoenix (4-pin) AxLink connector provides connectivity to the NetLinx Master (always on).

AXLINK DEVICE CONNECTORS (8):

3.5 mm Phoenix (4 pin) AxLink connectors provide connectivity to up to eight AxLink devices two switched banks of four outputs each:

- Bank 1 contains AxLink connectors 1-4
- Bank 2 contains AxLink connectors 5-8

A 13.5 VDC, 6.5 A power supply is provided for the AxLink bus strip. The PDU measures current draw of the AxLink power supply.

REMOTE TEMPERATURE SENSOR (RTS) INPUT

3.5 mm Phoenix (2 pin) connector provides connection to an (optional) Remote Temperature Sensor (RTS). The NXA-PDU-1508-8 is compatible with the ENV-VST-TSF Flush Mount Indoor Temperature Sensor, and the ENV-VST-TSO Outdoor Temperature sensor.

AXLINK ADDRESS DIP SWITCH

8-position DIP switch sets the AxLink device address for the unit.

ENCLOSURE

Steel, black powder coated finish

ENVIRONMENTAL

- Operating Temperature: 0°C to 40°C (32°F to 104°F)
- Operating Humidity: 5% to 85%, non-condensing
- Storage Temperature: -10°C to 60°C (14°F - 140°F)

INCLUDED ACCESSORIES

- ENV-VST-TSO ViewStat Outdoor Temperature Sensor (FG2050-22)
- EC-320 C-13 to NEMA 5-15P cable
- Removable rack ears

OTHER AMX EQUIPMENT

- ENV-VST-TSF Indoor Temperature Sensor (FG2050-21)
- C13 to C14 Power Cable (FG10-673-01)
- NEMA to C14 Power Cable (FG10-673-02)

RECOMMENDED ACCESSORIES	DESCRIPTION	PART #	PAGE #
CC-C13-C14	C13 to C14 Power Cable	(FG10-673-01)	403
CC-C14-NEMA	C14 to NEMA Power Cable	(FG10-673-02)	403

© January 2013 AMX. All rights reserved. AMX does not assume responsibility for any errors or omissions.

CC-C13-C14

C13 to C14 Power Cable

(FG10-673-01)

CN

OVERVIEW

The C13 to C14 Power Cable provides a convenient option to connect a device to the NXA-PDU-1508-8.

CC-C14-NEMA

C14 to NEMA Power Cable

(FG10-673-02)

CN

OVERVIEW

The C14 to NEMA Power Cable provides a convenient option to connect a device to the NXA-PDU-1508-8.

© January 2013 AMX. All rights reserved. AMX does not assume responsibility for any errors or omissions.

NXA-UPS1500

Uninterruptible Power Supply

NXA-UPS1500/120	110-120 VAC	(FG678-15)
NXA-UPS1500/240	220-240 VAC	(FG678-20)

OVERVIEW

The NXA-UPS1500 Uninterruptible Power Supply is a necessity in protecting AMX control systems and MAX servers from lightning, power surges and power loss. Maximize your investment with the smaller, more powerful UPS by AMX.

COMMON APPLICATION

The NXA-UPS1500 is ideal for residences and commercial applications to protect equipment from lighting, power surges and power loss.

FEATURES

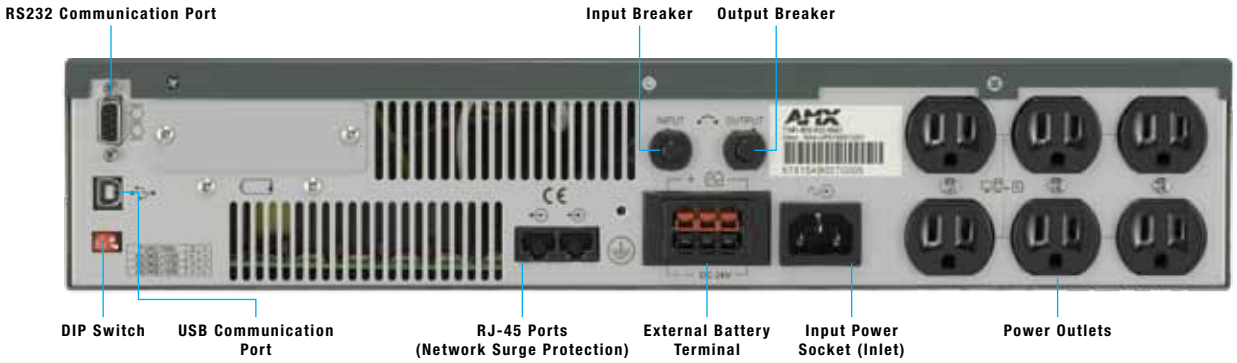
- Large Capacity Backup Power: 1500 VA/900 W
- Smaller Form Factor: 2 U rack mount
- 110-120/220-240 VAC Support
- User Friendly LCD Display
- Pure Sine Wave Output on Backup Mode
- Advanced Battery Discharge Management
- Tower / Rack Convertible

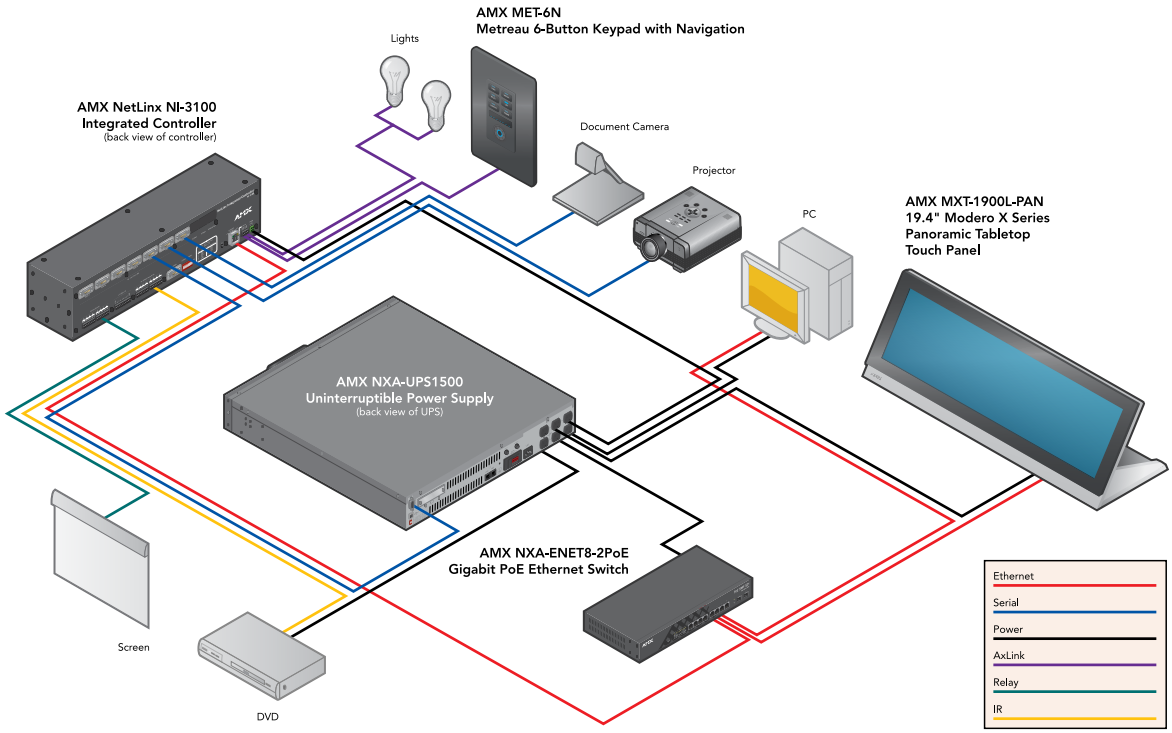
D-TOOLS CERTIFIED PRODUCT
This product can be found in the D-Tools manufacturer product database and specified as a third party device when building and proposing a system using D-Tools System Integrator software.

COUNTRY OF ORIGIN: CHINA
To satisfy the requirements/regulations of existing or future government programs, this two-letter code is being provided to designate the country of origin for this product.

© January 2013 AMX. All rights reserved. AMX does not assume responsibility for any errors or omissions.

A CLOSER LOOK





© January 2013 AMX. All rights reserved. AMX does not assume responsibility for any errors or omissions.

SPECIFICATIONS

DIMENSIONS (HWD)

- 3 7/16" x 17 5/16" x 19" (8.8 cm x 44 cm x 48.2 cm)
- RU: 2

WEIGHT

70.3 lbs (31.9 kg)

INPUT

- Voltage Window (DIP Switch selectable):
  - 120V version (FG678-15): 110/115/120 VAC +35% – -32%
  - 240V version (FG678-20): 220/230/240 VAC +35% – -32%
- Frequency: 45 – 65Hz (50/60Hz auto-sensing)

OUTPUT

- Voltage Window (AC Mode):
  - 120V version (FG678-15): 110/115/120 VAC +8% – -12%
  - 240V version (FG678-20): 220/230/240 VAC +8% – -12%
- Voltage Window (INV Mode):
  - 120V version (FG678-15): 110/115/120 VAC +/-5%
  - 240V version (FG678-20): 220/230/240 VAC +/-5%
- Max Output Current:
  - 120V: 14A (continuous)
  - 240V: 7A (continuous)
- Capacity (VA/W): 1500/900
- Wave Form: Pure sine wave
- Frequency: 50Hz/60Hz +/-0.1Hz
- Transfer Time: 2 ms typical
- Autonomy: > 8 min.
- DC Start: Yes

BATTERY

- Type: 12V, sealed lead acid maintenance-free
- Capacity: 9AH
- Quantity: 4 batteries required
- Voltage:
  - 120V version (FG678-15): 24 VDC
  - 240V version (FG678-20): 48 VDC
- InRush Current:
  - 120V: < 40A
  - 240V: > 20A
- Recharge Time: 2 – 4 hours to 90%
- Storage: Store at -15 to +30 °C (+5 to +86 °F), charge the UPS battery every 6 months / Store at +30 to +45 °C (+86 to +113 °F), charge the UPS battery every 3 months.

LED INDICATORS

- Utility mode
- Backup mode
- Battery conditions

DISPLAY LCD

- Load level (%)
- Battery level (%)
- Bypass
- AVR-Boost/AVR Buck
- Battery Low/Replace/Fault
- UPS Fault
- Site Wiring Fault
- Overload

OVERLOAD PROTECTION

- AC Mode: >110% Buzzer continuously alarms, and shuts down in 10 minutes.
- Inverter Mode: >120% Buzzer continuously alarms, and shuts down in 10 seconds.

SHORT CIRCUIT PROTECTION

- AC Mode: Breaker and electronic circuit
- Max short circuit output current:
  - 120V: 50A, 8 cycles (Inverter Mode short circuit current limitation)
  - 240V: 25A, 8 cycles (Inverter Mode short circuit current limitation)

SELF-DIAGNOSTICS

Upon Power-on

ALARMS

- Line Failure
- Battery Low
- Overload and Fault

ENVIRONMENTAL

- Temperature: 32° to 104°F (0 to 40° C)
- Operation Humidity: 95% RH Maximum, non-condensing

CONTROL COMMUNCATION

RS-232

CERTIFICATIONS

- EN50091-1-1: 1996 (Safety)
- FCC Part 15, Subpart B - Class A
- UL: YEDU.E166979

INCLUDED ACCESSORIES

- AC Input Power Cord
- Tower and rack-mounting accessories

© January 2013 AMX. All rights reserved. AMX does not assume responsibility for any errors or omissions.

PC1

Power Controller, 10 A (110 VAC only)

(FG670)

OVERVIEW

The PC1 control provides one switched outlet for 120 VAC power control with up to 1200 W of equipment power.

COMMON APPLICATION

Ideal for giving power control over devices that may not be easily controlled via Infrared or other control signal types.

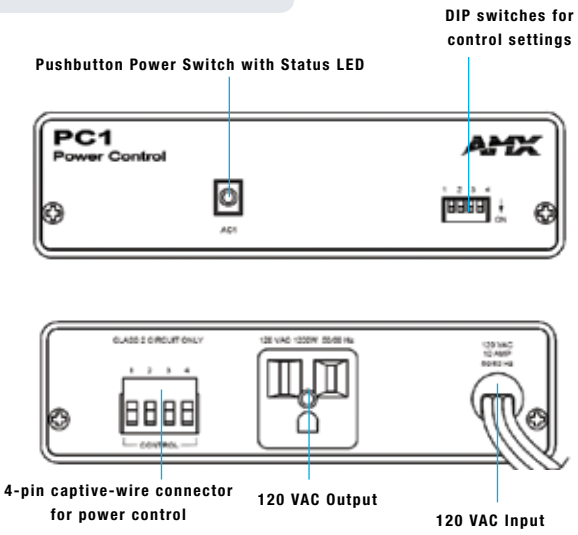
FEATURES

- Front-panel on/off button with status LED
- DIP switch to set closure mode

D-TOOLS CERTIFIED PRODUCT

This product can be found in the D-Tools manufacturer product database and specified as a third party device when building and proposing a system using D-Tools System Integrator software.

A CLOSER LOOK



SPECIFICATIONS

DIMENSIONS (HWD)
- 1 1/2" x 5 1/2" x 5 1/2" (3.8 cm x 14 cm x 14 cm)
- RU: 1

WEIGHT

1 lb, 12 oz (793 g)

POWER REQUIREMENT
- Power Input: 105 to 125 VAC, 3 watts maximum (internal electronics)
- Power Outputs: 1 switched 3-wire sockets, 120 VAC, 1,200 watts total

CONTROL PORTS
- Either one latched or two momentary closures for discrete on and off, or one momentary closure for toggling on and off
- Switched AC receptacle, 10 A at 120 VAC

LOAD FUSE

Internal 10 A (load capacity)

CONTROL INPUTS

Remote control contact and switch closure

ENCLOSURE

Metal with black matte finish

PRODUCT TYPE

AC switched power control unit

FRONT PANEL
- AC1 power switch controls power to a switched socket. The pushbutton is a latching on/off switch. The LED in the pushbutton indicates that socket power is ON
- DIP Switch: Controls the AC1 (and AC2) push button operating mode, depending on the setting of the switches

BACK PANEL
- AC Power Input: 3-conductor line cord providing 120 VAC power to the power control unit and to switched power sockets
- Switched Power: Socket for control of external equipment having a total power load of 1,200 watts. An internal 10 A load fuse is provided (The PC2 has 2 power sockets)
- Control: 4-pin captive-wire connector providing remote operation of the power control units. Terminals accept 24 – 12 AWG wire

POWER CORD

6 ft (1.83 m) cord with 3-wire grounded plug

RECOMMENDED ACCESSORIES	DESCRIPTION	PART #	PAGE #
AC-RK	Accessory Rack	(FG515)	410

© January 2013 AMX. All rights reserved. AMX does not assume responsibility for any errors or omissions.

UPC20+

Universal Power/Motor Controller, 20 A (110/220 VAC input)

(FG672)

OVERVIEW

Designed for conduit installation, the Universal Power/Motor Controller, 20 A (110/220 VAC input) is a dual 20-amp AC power and motor controller. Configure a wide range of power and motor control modes for a full range of devices ranging from simple wall panels with low voltage contact closure to large systems requiring high voltage contact closure.

The UPC20+ supports two primary operating modes. In Motor Control Mode, the two relays are automatically activated in sequence with an adjustable delay from 0 to 90 seconds. In this mode, there are three control options:

- **Single Button Mode** operates with one pushbutton in a sequence: Up, Stop, Down, Stop and so on for each successive button press.
- **Two/Three Button Mode** operates with two pushbuttons, one for Up and one for Down and optionally one for stop.
- **Momentary On/Off** operates the first relay only while the button is pressed and then second the relay activates when the button is released.

In Power Control mode, the UPC20+ provides power control for two independent circuits with a combined total load of 20 Amps. In this mode, there are three control options:

- **Momentary Power Mode** operates the selected relay only while the button is pressed. The relay is de-activated when the button is released.
- **Latching Power Mode** toggles between activating and de-activating the selected relay on each successive button press.
- **Two Button On/Off Mode** uses two buttons for each relay, one to activate and one to deactivate.

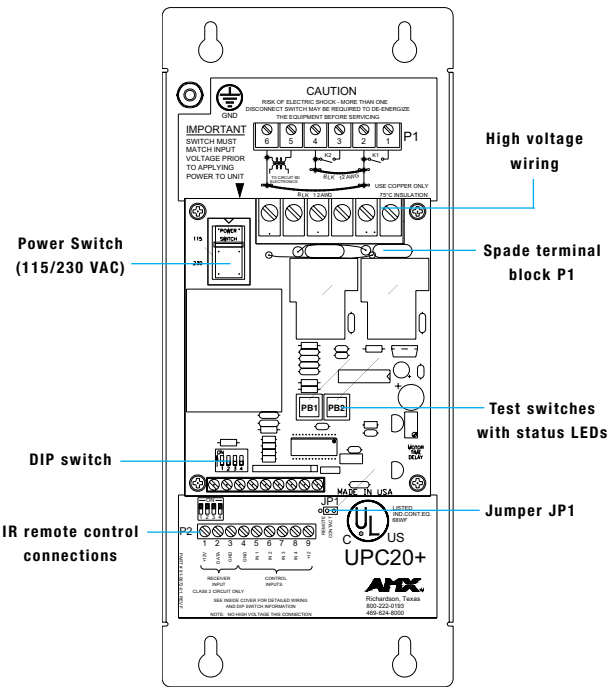
FEATURES

- 1, 2 and 3-button logic modes
- Local test switches with status LEDs
- 120, 240, and 277 VAC control capability
- ETL listed

HELPFUL HINT

If UPC20+ is powered up when changes are made to Dip Switch settings, then power must be cycled before changes can take effect.

A CLOSER LOOK



© January 2013 AMX. All rights reserved. AMX does not assume responsibility for any errors or omissions.

SPECIFICATIONS

DIMENSIONS (HWD)

- 8 1/2" (10 1/2" (including flange) x 4 1/2" x 2 3/16" (22 cm (27 cm (including flange) x 11 cm x 6 cm)
- RU: 5

WEIGHT

3 lbs (1.4 kg)

POWER

- Self-powered when used with 110/220 VAC applications
- Power input options (for control board):
  - 120/240V ~, 50-60 Hz, 0.05/0.025A
  - 12 VDC, 0.2A max
- Power output per relay
  - 20A @ 120/240V ~, 50-60 Hz (RESISTIVE LOAD)
  - 6A @ 277V ~, 50-60 Hz (FLUORESCENT BALLAST)
  - 1 HP @ 120V ~, 50-60 Hz (INDUCTIVE LOAD)
  - 2 HP @ 240V ~, 50-60 Hz (INDUCTIVE LOAD)

Total Current through both relays CANNOT exceed 20 amps

ENCLOSURE

Metal with black matte finish, knockouts for conduit

INPUTS

- 4 closure inputs, operation defined by mode
- One IR remote sensor input
- Motor Control mode alternates between the timed operation of the two power relays
- Power Control mode allows independent control of both power relays

INPUT POWER SWITCH (S1)

- Set this switch according to the high voltage wiring that will be connected to terminals 5 and 6 on P1.
- Set switch S1 to the line input voltage value used before applying power to the UPC20+

HIGH VOLTAGE TERMINAL BLOCK (P1)

High voltage input and output wiring for motor or power control.

LOW VOLTAGE AND CONTROL TERMINAL BLOCK (P2)

Contact closure, open-collector or CMOS logic level remote control wiring
Inputs 5 - 8 are referenced to the common connection at pin 4

JUMPER JP1

Sets control mode of the unit to contact closure or remote sensor serial data

TEST SWITCHES (PB1 AND PB2)

Provides local operation of relays K1 and K2 for testing power circuits or motors connected to the relay terminals. An LED indicates relay power applied

MOTOR TIME DELAY POTENTIOMETER (R8)

Only used in motor control modes. User adjusted for setting relay release time between 0 and 90 seconds

DIP SWITCH (S2)

Provides selection of control mode options

CONTROL INPUTS

- 4 closure inputs; operation defined by mode
- Motor control mode alternates between the timed operation of the two power relays
- Power control mode allows independent control of both power relays

CONTROL PORTS

(2) 2400 W power relays. Total combined current through both relays is 20 Amps

CERTIFICATIONS

UL, C-UL, CE

ENVIRONMENTAL

Operating/Storage Temperature: 55º C

RECOMMENDED ACCESSORIES	DESCRIPTION	PART #	PAGE #
PS2.8	2.8 A Power Supply	(FG423-05)	412

© January 2013 AMX. All rights reserved. AMX does not assume responsibility for any errors or omissions.

ABS

AxLink Bus Strip

(FG960)

OVERVIEW

With the ABS AxLink Bus Strip experience plug-and-play wiring, a power (PWR) status LED, and 12 VDC power inputs. Perfect for larger wiring runs the ABS simultaneously accepts in up to 10 AxLink terminals and connectors.

COMMON APPLICATION

Ideal for combining up to 10 AxLink wiring runs.

FEATURES

- 12 VDC power status LED
- 10 4-pin AxLink connectors
- 1 2-pin power connector
- 4" double-sided foam tape

SPECIFICATIONS

DIMENSIONS (HWD)
- 1 1/8" x 12" x 1 1/4" (2.9 cm x 30.5 cm x 3.2 cm)
- RU: 1

WEIGHT
5.8 oz (164.42 g)

POWER
12 VDC, 7 A max.

LED
Power indicator (Red)

MOUNTING OPTIONS
4" double-sided foam tape

TRAINING AVAILABLE
For important installation, configuration and programming techniques, AMX University training is available. Just visit www.amx.com/training

A CLOSER LOOK

AC-RK

Accessory Rack Kit

(FG515)

OVERVIEW

The Accessory Rack Kit holds up to three NetLinx modules and measures only one rack unit in height.

SPECIFICATIONS

DIMENSIONS (HWD)
- 1 3/4" x 19" x 1/2" (4.4 cm x 48.3 cm x 1.3 cm)
- RU: 1

TRAINING AVAILABLE
For important installation, configuration and programming techniques, AMX University training is available. Just visit www.amx.com/training

D-TOOLS CERTIFIED PRODUCT
This product can be found in the D-Tools manufacturer product database and specified as a third party device when building and proposing a system using D-Tools System Integrator software.

© January 2013 AMX. All rights reserved. AMX does not assume responsibility for any errors or omissions.

IRIS

IR/Serial Data Capture Device

(FG5448)

OVERVIEW

As a stand-alone self-contained unit, the IRIS captures IR or wired function signals from a hand controller and instantly captures and verifies the control functions, where they are transmitted to a PC operating the IRLIB program. Designed with versatility in mind, the IRIS captures IR functions from hand controllers for a wide variety of audiovisual equipment such as monitors, VCRs, TVs, and CD players.

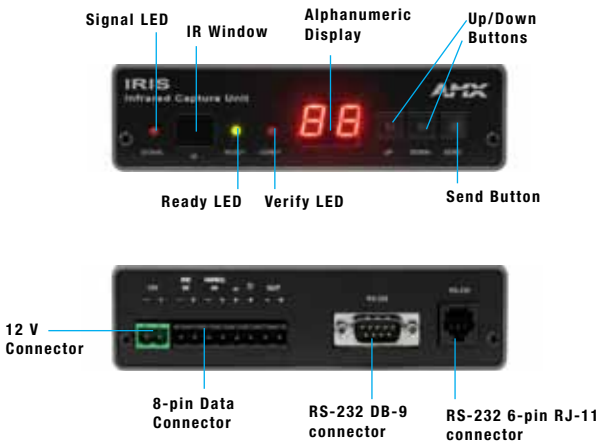
FEATURES

- Large, 2-digit status LED display
- Configurable RS-232 port baud rate (300-9,600 baud)
- 12 VAC power supply
- IREdit software

QUICK TIP

Use the IR Capture and Management tool in AMX's VisualArchitect software application to capture and manage IR functions via the IRIS. Refer to the VisualArchitect Instruction Manual and online help for details.

A CLOSER LOOK



SPECIFICATIONS

DIMENSIONS (HWD)

- 1 1/2" x 5 1/2" x 5 1/2" (3.8 cm x 14 cm x 14 cm)
- RU: 1

WEIGHT

1.8 lbs (518.2 g)

POWER REQUIREMENT

12 VDC at 160 mA max

ENCLOSURE

Metal with black matte finish

CONTROL PORTS

- IR sensor to receive IR codes
- IR serial input for wired IR codes
- DB-9 female connector for Axcess and PC communication

FRONT PANEL COMPONENTS

- Signal LED: Red indicator that blinks when the IRIS unit is receiving HC functions
- IR window: Captures HC functions
- Ready LED: Green indicator that lights when the IRIS unit is ready to receive HC functions
- Verify: Red indicator that lights when the IRIS unit is ready to verify HC functions
- Alphanumeric display: (2-digit) Red 7-segment alphanumeric display that shows the capture mode and operating status
- Up: Increments the alphanumeric display by one and lights the red LED inside the pushbutton
- Down: Decrements the display by one and lights the red LED inside the pushbutton
- Send: Transmits captured HC functions to a PC running the IREdit software program. The red LED inside the pushbutton lights when valid HC functions are ready to send

REAR PANEL COMPONENTS

- 12 VDC/12 VAC connector: 2-pin (male) 12 VDC or 12 VAC power supply connector.
- 8-pin data connector: Captures wired-IR HC functions. Connect the HC to the IRE IN or WIRED IN pins.
- RS-232 connectors:
  - DB-9 connector for data communications with a PC
  - 6-pin RJ-11 modular connector for data communications. The RJ-11 connector is only used with older SX-DCU+ products

© January 2013 AMX. All rights reserved. AMX does not assume responsibility for any errors or omissions.

AC-SMB

Surface Mounting Bracket

(FG525)

OVERVIEW

These L-shaped brackets can be oriented to align flush with either the top or bottom surface and allow users to mount devices to almost any flat surface; floor, ceiling, wall, table or wherever is convenient for an installation. AC-SMB brackets can be used with NI-700/900 controllers, MAX-CSE, MAX-CSD10, NXA-AVB, NXA-AVB/ETHERNET, and IS-SPX-1000.

PS2.8

13.5 VDC, 2.8 A Power Supply with 2.1 mm Barrel Connector

(and included 5 mm Phoenix Connector)

(FG423-11)

OVERVIEW

Perfect for 13.5 DC power with Axcess systems, the PS2.8 Power Supply is a Class 1 power supply. The PS2.8 is UL listed in addition to CSA and CE approved. The PS2.8 comes with both an attached 2-pin captive wire connector (5 mm) and a spare 3.5 mm captive wire connector. For your convenience, the PS2.8 also comes with a with 5 mm Phoenix Connector.

FEATURES

- Class 1 power supply
- UL listed
- CSA approved
- CE approved

TRAINING AVAILABLE
For important installation, configuration and programming techniques, AMX University training is available. Just visit www.amx.com/training

SPECIFICATIONS

DIMENSIONS (HWD)
- 4 5/8" x 2 5/16" x 1 1/2" (11.7 cm x 5.8 cm x 3.5 cm)

WEIGHT
1 lb (450 g)

POWER REQUIREMENT
- Input Voltage: 100-240 +10% VAC
- Input Frequency: 47-63 Hz
- Input Current:
  - 0.9A MAX at 115 VAC + full load
  - 0.6A MAX at 230 VAC + full load
- Output Voltage: 13.5 VDC
- Output Current: 2.8A (continuous power output is 35 W max)

ENCLOSURE
Molded black matte plastic, with captive 6-foot (1.83 m) output cord and IEC male input power jack

RIPPLE AND NOISE
135 mV peak-to-peak @ full load

PROTECTION
Over-voltage, over-current, short-circuit, transient and thermal. Switching regulated, overload protected

POWER INDICATOR
Green LED indicates the presence of DC on the output

CONNECTORS
- 2.1mm barrel plug
- Also includes 2-pin captive wire connector (5.0 mm)

INPUT POWER CORD
6-foot (1.83 m) IEC power cord terminated with a grounded Edison plug for AC input

CERTIFICATION
UL: US listed - Class 1 Power Supply, CSA approved, CE approved

ENVIRONMENTAL
Operating Temperature: 32°F to 122°F (0°C to 50°C)

INCLUDED ACCESSORIES
Single Universal input power cord (64-0009)

© January 2013 AMX. All rights reserved. AMX does not assume responsibility for any errors or omissions.

PSN2.8

13.5 VDC, 2.8 A Power Supply with 3.5 mm Phoenix Connector

(FG423-17)

OVERVIEW

The PSN2.8 power supply provides 2.8 A of DC power for Modero Touch Panels. This is a Class 1 power supply; CSA and CE approved and UL listed. This power supply has an attached mini 2-pin captive wire connector (3.5 mm).

SPECIFICATIONS

DIMENSIONS (HWD)
4 5/8" x 2 1/4" x 1 1/2" (11.7 cm x 5.8 cm x 3.5 cm)

WEIGHT
1 lb (450 g)

INPUT VOLTAGE
100-240 +10% VAC

INPUT FREQUENCY
47-63 Hz

INPUT CURRENT
• 0.9A MAX at 115 VAC + full load • 0.6A MAX at 230 VAC + full load

OUTPUT VOLTAGE
13.5 VDC

OUTPUT CURRENT
2.8A (continuous power output is 35 W max)

RIPPLE AND NOISE
135 mV peak-to-peak @ full load

PROTECTION
Over-voltage, over-current, short-circuit, transient and thermal. Switching regulated, overload protected

POWER INDICATOR
Green LED indicates the presence of DC on the output

INPUT POWER CORD
6-foot (1.83 m) IEC power cord terminated with a grounded Edison plug for AC input

ENCLOSURE
Molded black matte plastic, with captive 6-foot (1.83m) output cord and IEC male input power jack

CONNECTORS
Mini 2-pin captive wire connector (3.5 mm)

ENVIRONMENTAL
Operating Temperature: 32°F to 122°F (0°C to 50°C)

PS3.0

12 VDC, 3.0 A Power Supply with 1.3 mm Barrel Plug

(FG423-30)

OVERVIEW

The PS3.0 power supply provides 3.0 A of DC power for the MVP-5200i Modero Touch Panel and other NetLinx devices. This is a Class 1 power supply which is CE approved and UL listed. The PS3.0 comes with an 0.43-inch (11mm) 1.3 mm barrel-plug.

SPECIFICATIONS

DIMENSIONS (HWD)
3 7/8" x 1 3/4" x 1 1/4" (9.8 cm x 4.5 cm x 3.1 cm)

WEIGHT
5.6 oz (150 g)

INPUT VOLTAGE
100-240 VAC, 3.0 A, 47~63 Hz

OUTPUT VOLTAGE
12 VDC

OUTPUT CURRENT
3.0 A

RIPPLE AND NOISE
200 mV (60 Hz Ripple + Switching ripple and noise)

PROTECTION
Over-voltage, over-current, short-circuit, transient and thermal. Switching regulated, overload protected

POWER INDICATOR
Green LED indicates the presence of DC on the output

CONNECTORS
1.3 mm barrel plug, 11 mm long

INPUT POWER CORD
6-foot (1.83 m) IEC power cord terminated with a grounded Edison plug for AC input

ENCLOSURE
Metal with black matte finish

ENVIRONMENTAL
• Operating Temperature: 32°F to 122°F (0°C to 50°C)
• Storage temperature: -4°F to 185°F (-20°C to 85°C)

CERTIFICATION
UL: US listed - Class 1 Power Supply, CUL approved, TUV approved, FCC approved, CE approved, PSE approved

© January 2013 AMX. All rights reserved. AMX does not assume responsibility for any errors or omissions.

PS4.4

13.5 VDC, 4.4 A Power Supply with 2.1 mm Coaxial Barrel Connector

(FG423-44)

OVERVIEW

The PS4.4 power supply provides 4.4 A of DC power for Modero ViewPoint Touch Panels and MVP Tabletop Docking Station (MVP-TDS).

SPECIFICATIONS

DIMENSIONS (HWD)
4 5/8" x 2 1/4" x 1 1/2" (11.7 cm x 5.8 cm x 3.5 cm)

WEIGHT
1.1 lb (499 g)

INPUT VOLTAGE
100-240 +10% VAC

INPUT FREQUENCY
47-63 Hz

INPUT CURRENT
• 1.2A MAX at 115 VAC + full load • 0.6A MAX at 230 VAC + full load

OUTPUT VOLTAGE
13.5 VDC

OUTPUT CURRENT
4.4A MAX

RIPPLE AND NOISE
150 mV peak-to-peak @ full load

PROTECTION
Over-voltage, over-current, short-circuit, transient and thermal. Switching regulated, overload protected

POWER INDICATOR
Green LED indicates the presence of DC on the output

CONNECTORS
2.1 mm barrel plug

INPUT POWER CORD
50 mm IEC power cord terminated with a grounded Edison plug for AC input

ENCLOSURE
Molded black matte plastic

ENVIRONMENTAL
Operating Temperature: 32°F to 104°F (0°C to 40°C)

CERTIFICATION
UL: US listed - Class 1 Power Supply, CSA approved, CE approved

PSN4.4

13.5 VDC, 4.4 A Power Supply with 3.5 mm Phoenix Connector

(FG423-45)

OVERVIEW

The PSN4.4 power supply provides 4.4 A of DC power for Modero ViewPoint Touch Panels and NetLinx System Accessories. Includes 3.5 mm Phoenix Connector.

SPECIFICATIONS

DIMENSIONS (HWD)
4 5/8" x 2 1/4" x 1 1/2" (11.7 cm x 5.8 cm x 3.5 cm)

WEIGHT
1.1 lb (499 g)

INPUT VOLTAGE
100-240 +10% VAC

INPUT FREQUENCY
47-63 Hz

INPUT CURRENT
• 1.2A MAX at 115 VAC + full load • 0.6A MAX at 230 VAC + full load

OUTPUT VOLTAGE
13.5 VDC

OUTPUT CURRENT
4.4A MAX

RIPPLE AND NOISE
150 mV peak-to-peak @ full load

PROTECTION
Over-voltage, over-current, short-circuit, transient and thermal. Switching regulated, overload protected

POWER INDICATOR
Green LED indicates the presence of DC on the output

CONNECTORS
Mini 2-pin captive wire connector (3.5 mm)

INPUT POWER CORD
50 mm IEC power cord terminated with a grounded Edison plug for AC input

ENCLOSURE
Molded black matte plastic

ENVIRONMENTAL
Operating Temperature: 32°F to 104°F (0°C to 40°C)

CERTIFICATION
UL: US listed - Class 1 Power Supply, CSA approved, CE approved

© January 2013 AMX. All rights reserved. AMX does not assume responsibility for any errors or omissions.

PSN6.5

13.5 VDC, 6.5 A Power Supply with (3) 3.5 mm Phoenix Connectors

(FG423-41)

OVERVIEW

The PSN6.5 power supply provides 6.5 A of DC power for Modero ViewPoint Touch Panels and NetLinx System Accessories.

SPECIFICATIONS

DIMENSIONS (HWD)
1 1/2" x 5 9/16" x 9 1/4" (3.81 cm x 14.10 cm x 23.50 cm)

WEIGHT
2.76 lb (1.25 Kg) (without power cord)

INPUT VOLTAGE
• 90-132 VAC, 2.6A, 47~63 Hz • 180-264 VAC, 1.3A, 47~63 Hz

OUTPUT VOLTAGE
13.5 VDC

OUTPUT CURRENT
6.5 A (continuous power output is 90 W max)

RIPPLE AND NOISE
350 mV peak-to-peak @ 70% load

PROTECTION
Over-voltage, over-current, short-circuit, transient and thermal. Switching regulated, overload protected

POWER INDICATOR
Green LED indicates the presence of DC on the output

CONNECTORS
Three removable 2-pin 3.5 mm mini-Phoenix connectors

REAR PANEL COMPONENTS
• Three 12 VDC power supply connectors
• Standard IEC (male) jack for the power cord

INPUT POWER CORD
6-foot (1.83 m) IEC power cord terminated with a grounded Edison plug for AC input (U.S. only)

ENCLOSURE
Metal with black matte finish

ENVIRONMENTAL
Operating Temperature: 32°F to 122°F (0°C to 50°C)

CERTIFICATION
UL: US listed – Class 1 Power Supply, CSA approved, CE approved

© January 2013 AMX. All rights reserved. AMX does not assume responsibility for any errors or omissions.

PS-POE-AF

PoE Injector

(FG423-80)

OVERVIEW

With the PoE Injector, transmit both power and data through a single cable to a remotely located Power-over-Ethernet (PoE) enabled device. This self-contained single-port PoE gigabit power supply "injects" DC power and data into the same Cat5 Ethernet cable at a distance of up to 100 meters (328 feet).

COMMON APPLICATION

With the PoE Injector, send power and data on demand to Metreau Entry Communicators, MAX Encoders and Decoders, wireless LAN access points, IP phones and other PoE-enabled devices all via a single Ethernet connection.

FEATURES

- 10/100/1000 (Mbps) Data Rates
- Meets IEEE802.3af requirements
- Load Diagnostic LED
- Regulated Output with Low Ripple
- 120/240VAC Universal Input

SPECIFICATIONS

DIMENSIONS (HWD)
5 1/4" x 2 1/8" x 1 7/16" (13.3 cm x 5.4 cm x 3.6 cm)

WEIGHT
7 oz (200 grams)

INPUT VOLTAGE
100 - 240 VAC

INPUT FREQUENCY
47 - 63Hz

AC INPUT CURRENT
0.6A MAX at 90 VAC + Full Load

OUTPUT VOLTAGE
48 VDC Nominal

OUTPUT CURRENT
0.3125 A Max

RIPPLE AND NOISE
1% Vp-p Max

PROTECTION
- Over-current protection
- Short-circuity protection

POWER INDICATOR
LED indicates the presence of DC on the output

INPUT POWER CORD
50 mm IEC power cord terminated with a grounded Edison plug for AC input

ENCLOSURE
Molded black matte plastic

CONNECTORS
Built-in dual RJ-45 jacks

ENVIRONMENTAL
Temperature Range: 32°F to 104°F (0°C to 40°C)

© January 2013 AMX. All rights reserved. AMX does not assume responsibility for any errors or omissions.

PS-PoE-EX0.9

PoE Extractor For Novara 3000 Series ControlPads

(FG423-85)

OVERVIEW

The PS-PoE-EX0.9 PoE extractor enables the Novara 3000 Series ControlPads to be powered via a PoE-enabled switch. The extractor takes a PoE input and outputs a 900mA +12VDC signal to power the ControlPad, and a non-PoE Ethernet signal for communicating with the ControlPad.

COMMON APPLICATION

Use the PS-PoE-EX0.9 in conjunction with a PoE-enabled switch to power the Novara 3000 Series ControlPads.

FEATURES

- Converts a LAN connector PoE source into a data-only LAN output and a voltage-only output via a standard DC connector
- Eliminates need to have AC power source to power ControlPad via the included power supply
- Mount the PoE extractor in a discrete location using the mounting holes

SPECIFICATIONS

DIMENSIONS (HWD)

3" x 2 1/8" x 1" (7 5/8 cm x 5 1/3 cm x 2 1/2 cm)

WEIGHT

2 oz (58 g)

OPERATING TEMPERATURE

- Storage temperature range: -40° to 185° F (-40° to 85° C)
- Operating temperature range: -40° to 140° F (-40° to 60° C)

CERTIFICATIONS

RoHS

GENERAL

- Switching Frequency: 200kHz +/- 1%
- Recovery Time: 100Usec to 1% V-out (SR= 1a/10Usec)
- I-overload: 120% ± 5%
- Short Circuit: Auto recovery when short is removed
- Thermal Shutdown: Internally protected against over-temp conditions.

INPUT CONNECTOR

Standard LAN connector

OUTPUT

- Output Voltage: 12V DC
- Output Current: 0.9A
- Output Power: 10.8W
- Line and Load Voltage Regulation: +/-1% V-out
- Efficiency: 88% min.
- Transient Response: 1% of V-out (50%-100% load deviation)
- Overvoltage Protection: Transorb protected
- Output Connection: Standard
- Output Noise: 1% of V-out, 20MHz BW

INPUT

- Input: 36-57 VDC
- Input Current Overload Protection: When Iin > 450mA for 75mSec, input latches off
- Input Surge: Transorb protected
- Input Undervoltage
  - Turn on: 33-42VDC
  - Turn off: 30-34VDC

© January 2013 AMX. All rights reserved. AMX does not assume responsibility for any errors or omissions.

CC-NET

Ethernet Cable

(FG10-051-10)

OVERVIEW

The CC-NET is an industry-standard Cat5 ethernet cable. Utilizes RJ-45 connectors (straight through) on both ends.

CC-USB

USB Programming Cable

(FG10-5965)

OVERVIEW

The CC-USB is a USB programming cable used to connect a PC's USB port to Modero® ViewPoint Touch Panels, 7" and 10" Modero Touch Panels, and Modero V and VG Series Touch Panels. Utilizes USB-A connector on one end and USB-mini connector on the other end.

CC-USB-NI

USB Programming Cable for NetLinx Controllers

(FG10-2105)

OVERVIEW

The CC-USB-NI is a programming cable used to connect a PC's USB port to the NI-3101-SIG USB programming port

FEATURES

- Standard USB A to B Connectors
- 10-foot length
- Connects a PC's USB port to the NI-3101-SIG USB programming port

© January 2013 AMX. All rights reserved. AMX does not assume responsibility for any errors or omissions.

CC-COM

Programming Port Cable

(FG10-727)

OVERVIEW

The CC-COM is a programming port cable used to connect a PC's COM port to the NetLinx Controller port. Utilizes a 9-pin female connector on one end and a 9-pin female d-sub connector on the other (pins 2 and 3 swapped, pin 5 straight through).

CC-MDM

Modem Interface Cable

(FG10-725)

OVERVIEW

The CC-MDM is a modem interface cable used to connect a modem to the NetLinx Controller port. Utilizes a 9-pin female connector on one end and a 25-pin male d-sub connector on the other (RX, TX, GND with RTS/CTS and DSR/DTR loopback).

© January 2013 AMX. All rights reserved. AMX does not assume responsibility for any errors or omissions.

CC-232

Serial Communication Cable

CC-232	Standard RS-232 Cable	(FG10-752-04)
CC-232	Serial Gender-Changer Cable	(FG10-889-04)
CC-232	Null Modem Serial Cable	(FG10-702-04)
CC-232	Hardware Handshake Serial Cable	(FG10-843-04)
CC-232	2.5 mm Stereo Plug Serial Cable	(FG10-817)

OVERVIEW

CC-232 cables include:

- Standard RS-232 Cable (FG10-752-04) – Use anywhere you need a standard 3-pin, straight through serial cable. Utilizes a 9-pin female connector on one end and a 9-pin male d-sub connector on the other (pins 2,3 and 5 straight through).
- Serial Gender-Changer Cable (FG10-889-04) – Use in place of a standard RS-232 cable and a gender changer. Utilizes a 9-pin female connector on one end and a 9-pin female d-sub connector on the other (pins 2,3 and 5 straight through).
- Null Modem Serial Cable (FG10-702-04) – Use in place of a standard RS-232 cable and a null modem. Utilizes a 9-pin female connector on one end and a 9-pin male d-sub connector on the other (pins 2 and 3 swapped, pin 5 straight through).
- Hardware Handshake Serial Cable (FG10-843-04) – Use when CTS/RTS hardware handshaking is required. Utilizes a 9-pin female connector on one end and a 9-pin female d-sub connector on the other (pins 2 and 3 swapped, pins 5 and 7 swapped, pin 5 straight through).
- 2.5 mm Stereo Plug Serial Cable (FG10-817) – Use with devices that use a 2.5 mm jack for serial communications. Utilizes a 9-pin male d-sub connector on one end and a 2.5 mm stereo phone plug on the other end.

CC-NIRC

NetLinx IR Emitter Cable

(FG10-000-11)

OVERVIEW

The CC-NIRC is an IR emitter cable used with NetLinx controllers to control your equipment either from IR emitters or a hand-held remote control. Utilizes a 2-pin, 3.5 mm Phoenix connector on one end and a single LED emitter (flasher) on the other end.

CC-IRC

Axcess and Video Link IR Emitter Cable

(FG10-000)

FEATURES

- 2-Pin, 5 mm Phoenix Connector to a single LED Emitter (Flasher)
- For use on Axcess controllers and AXB-TM5 Television Manager

© January 2013 AMX. All rights reserved. AMX does not assume responsibility for any errors or omissions.

CP-RC01

Infrared Remote Control For Novara 3000 Series ControlPads

(FG1302-70)

OVERVIEW

The CP-RC01 provides infrared remote control of the 8-and 17-button Novara 3000 Series ControlPads. Each button on the remote corresponds to a virtual button on the ControlPad, providing simple and convenient control up to 30 feet away from the ControlPad. The CP-RC01 transmits AMX IR codes.

COMMON APPLICATION

The CP-RC01 is designed to give users the freedom to control room equipment while away from the ControlPad.

FEATURES

- Provides IR control of the 8- and 17- button Novara 3000 Series ControlPads
- 20 – 30 foot range. Note: Range can be affected by factors such as angle of incidence and LED graph brightness.

SPECIFICATIONS

DIMENSIONS (HWD)

8" x 2" x 1" (20 cm x 5.5 cm x 2.8 cm)

WEIGHT

Without batteries: 3.3 oz (94.3g)

BATTERY

2 AAA Batteries

POWER CONSUMPTION

Approximately 50mA at IR transmit

IR TRANSMIT FREQUENCY

38 KHz

RANGE

20-30ft (6-9m) Standard Note: Range can be affected by factors such as angle of incidence and LED graph brightness.

OPERATING ENVIRONMENT

- Storage temperature range: -40° to 158° F (-40° to 70° C)
- Operating temperature range: 41° to 104° F (5° to 40° C)
- Relative humidity: 10% to 90%, non-condensing

© January 2013 AMX. All rights reserved. AMX does not assume responsibility for any errors or omissions.